ARH

UV

INFRARED

VISIBLE WHITE

RFID

PERSONAL DATA

Surname:	GEORGE
Given Names:	MITHERMANN
Nationality:	UNITED STATES OF AMERICA
Date of birth:	12 DEC 1981
Place of birth:	NEW YORK U.S.A.

DOCUMENT DATA

Document type:	ICAO standard Passport (MRP)
Document Number:	C000254789
Type:	PASSPORT
Isue country:	NEW YORK U.S.A.
Expiry date:	11-12-2021

IDENTITY DOCUMENT READING AND VERIFICATION SOFTWARE

ARH offers reliable and high-speed data reading and ID verification software for all identity document types worldwide. These SW modules are available for ARH ID and passport scanning devices.

VERSIONS & FEATURES

DATA READING

OCR utilization – The optical character recognition (OCR) software automatically extracts the text-based information from identity documents and converts it to digital data. This data may be saved in a dedicated application, such as hotel reservation software, visitor management system, banking application, casino registration, etc. Automatic identity document verification – executed with the aid of a template database – is also done at this point. The entire process is performed within few seconds resulting in saved time and increased accuracy.

DATA READING + VERIFICATION

By automatically analyzing the scanned images under different illuminations, the application is capable of detecting counterfeit or tampered IDs. Advanced security checks – originally developed for deployment at border crossings – become commercially accessible with the use of the software. As a result, regular employees without special training can help to protect their companies' bottom line.

SUPPORTED DOCUMENT TYPES

• internationally accepted travel documents (different types of passports, visas)
• local identification documents like ID cards, driver licenses
• local residence permits, address cards, health insurance cards, etc.

BENEFITS

- Fast – the data reading and verification checks are performed within a few seconds compared to manually entering the ID data that takes several minutes to complete
- Accurate – no mistakes compared to error-prone manual entries
- Reliable – high-reliability verification checks allow this solution to be deployed at heavy demand border crossings

- Worldwide – internationally accepted travel documents and local IDs are both supported
- Flexible – new document type inclusions can be quickly executed per customer request

APPLICATION AREAS

- customer registration: hotel check-in, banking, telecom retailers, car rental locations
- age verification: liquor stores, casinos, night clubs
- visitor management / access control / time and attendance systems: office buildings, secure areas, prisons, festivals, sporting events
- paperless contract preparation

- client registration and identification in kiosk applications: vending machines, self-service kiosks, e-gates
- transportation hub passenger management
- data enrollment for ID issuance
- document verification for border control / immigration

TECHNICAL DETAILS

Hardware requirements
- an ARH scanner connected to the PC
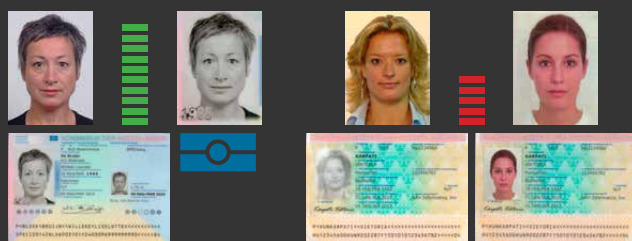- PC: minimum 2 GHz CPU and 1GB RAM

Updates
- Yearly or at the time of a new release
- Easy activation by installing the latest software version

Software requirements
- 32/64 bit Windows 7/8/10 or Linux
- The software can be utilized with either the ARH demo application or integrated with an end user application / IT environment

PATTERN MATCHING

The software automatically compares the special security patterns of the given document with a background reference database that is responsible for storing patterns of attested genuine identity documents. Pattern matching can be performed for both of visible patterns and geometric signatures of a document and also for elements that are invisible to the naked eye, such as UV patterns or security holograms.

ADVANCED DATA CROSS-CHECK SOLUTION

While the data are gathered from several sources – MRZ, RFID, VIZ, barcodes, etc. – at the same time they are also cross-referenced for inconsistencies. The face photo is also compared to its digital version on the RFID. If any difference is detected, then the SW generates a warning about a possible counterfeit or tempered document.

IPI + LETTERSCREEN DECODING

In-built, digital decoding is provided for JURA's innovative IPI® – Invisible Personal Information and Letterscreen® security marks to enhance the reliability of authentication.

Technical specifications are subject to change without prior notice. This document does not constitute an offer.